



August 11, 2011

VIA FEDERAL EXPRESS

Mr. Christopher J. Kanakis  
New Jersey Department of Environmental Protection  
P.O. Box 028  
401 East State Street, 6<sup>th</sup> Floor  
Trenton, New Jersey 08625-0028

**Re: Quarterly Progress Report – Second Quarter 2011  
Standard Chlorine Chemical Company (SCCC) Site  
Kearny, Hudson County, New Jersey  
October 20, 1989 Administrative Consent Order (ACO)**

Dear Mr. Kanakis:

In accordance with Paragraph 49 of the Administrative Consent Order for the Standard Chlorine Chemical Company, Inc. (SCCC) Site located in Kearny, New Jersey and the Interim Response Action Workplan for the SCCC Site and Diamond Site, please find enclosed three copies of the Second Quarter 2011 Progress Report.

If you have any questions regarding this report, please contact me at (412) 279-3363.

Sincerely,

**Key Environmental, Inc.**

A handwritten signature in cursive script that reads "James S. Zubrow".

James S. Zubrow, P.G.  
Principal Hydrogeologist

cc: M. W. Kelly  
E. Castro  
M. Brouman  
G. Coscia  
A. Hess  
K. Staiger  
M. Martello

**QUARTERLY PROGRESS REPORT – SECOND QUARTER 2011  
STANDARD CHLORINE CHEMICAL COMPANY, INC. SITE  
KEARNY, NEW JERSEY  
ADMINISTRATIVE CONSENT ORDER EXECUTED ON OCTOBER 20, 1989**

**Activities Initiated or Continued During the Reporting Period**

Interim Response Action Workplan (IRAW) construction activities that were initiated included:

- Delivery and installation of above ground tanks, unit operations and other equipment in the Hydraulic Control Treatment System (HCTS) building;
- Excavation of solidified South Ditch sediments and placement in the SCCC Site consolidation area (CA), and placement of geotextile and pipe bedding/backfill;
- Installation of stormwater piping and drop inlets in the excavated South Ditch; and,
- Trench excavations and installation of groundwater conveyance piping and electrical conduit.

IRAW construction activities that were continued included:

- Near-shore river sediment excavation from the Hackensack River and placement of sediments in the CAs;
- Placement of non-woven geotextile and backfill within the river sediment excavation areas;
- Slurry wall working platform construction;
- Slurry wall construction;
- Capillary break system installation;
- Operation and maintenance of the temporary construction treatment system (TCTS) and discharge of treated water;
- In-situ solidification of the South Ditch sediments;
- Construction of outlet works; and,
- Procurement activities for Track 2 building demolition.

**Activities Completed During the Reporting Period**

IRAW construction activities that were completed included:

- Offsite transportation and smelting of the Track 1 (i.e., Buildings 16, 19 & 20)/Site remediation scrap metal;
- Two phases of former transformer pad concrete pad and soil removal and offsite disposal;
- Construction of SCCC CA berms;
- The steel sheet pile wall waler construction;
- Surface improvements and placement of geogrid in the Eastern Lagoon; and,
- Procurement activities for Track 2 (i.e., Buildings 15, 17, 18 & 21) building demolition.

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IRAW reporting activities that were completed are described below.

The Track 1 Demolition Remedial Action Report (RAR) was submitted to the New Jersey Department of Environmental Protection (NJDEP) on April 15, 2011.

The Track 1/Site remediation scrap metal was sent offsite for smelting. The scrap metal documentation (i.e. supplement to the Demolition RAR) was submitted to the NJDEP on May 5, 2011.

The Track 3 (i.e., Buildings 5, 7, 8, 9, 10, 14, 22) Demolition Remedial Action Work Plan was submitted on June 7, 2011.

Draft Drawings were presented to the NJDEP depicting Pre-IRAW construction Site conditions, Site erosion and sediment control plan, and IRM and IRAW cover details as part of the June 2, 2011 Site Meeting.

TCTS Discharge Monitoring Reports were submitted to the NJDEP.

Bi-Weekly IRAW Construction Progress Reports were sent to the NJDEP.

**Activities to be Initiated or Continued in the Upcoming Reporting Period (Third Quarter 2011)**

The in-progress IRAW construction activities (described above) will continue during the third quarter.

IRAW construction activities anticipated to be initiated include:

- Well vault installation;
- Consolidation area spoils/sediment placement, grading and closure; and,
- Site Restoration.

**Activities to be Completed in the Upcoming Reporting Period (Third Quarter 2011)**

IRAW construction activities anticipated to be completed during the third quarter include:

- Hackensack River sediment excavation, and river backfill activities;
- Slurry wall construction;
- Capillary break system installation;
- South ditch sediment remediation;
- HCTS and groundwater conveyance system construction;
- Utilities installation (to the HCTS);
- Additional excavation and offsite disposal of subsurface transformer pad soil;
- In-place closure of septic tanks including confirmation sampling and analysis;

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- Stormwater management system construction; and,
- Outlet works construction.

IRAW reporting activities anticipated to be completed during the third quarter are described below.

As per NJDEP's request, revised drawings and supplemental information requested will be submitted including Pre-IRAW construction Site conditions, Site erosion and sediment control plan information, and previous Interim Remedial Measures and proposed IRAW cover details.

TCTS Discharge Monitoring Reports.

Bi-Weekly IRAW Construction Progress Reports.